

04/08/13



Technical Report for

Anderson, Mulholland & Associates

BMSMC, Building 5 Area, PR

SM04.00.06

Accutest Job Number: JB28557R

Sampling Date: 02/08/13

Report to:

Anderson, Mulholland & Associates

ttaylor@amaiconsult.com

ATTN: Terry Taylor

Total number of pages in report: 12



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Maney +. Cole
Nancy Cole
Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Sample Summary

Anderson, Mulholland & Associates

Job No: JB28557R

BMSMC, Building 5 Area, PR Project No: SM04.00.06

Sample	Collected	l		Matri	ix	C	lient
Number	Date	Time By	Received	Code	Type	Sa	ample ID
JB28557-1R	02/08/13	11:30 TT	02/12/13	so	Soil	A	REAEC4_BOT





CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Anderson, Mulholland & Associates Job No JB28557R

Site: BMSMC, Building 5 Area, PR Report Date 4/1/2013 4:54:18 PM

On 02/12/2013, 1 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 4 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB28557R was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GC By Method SW846-8015C (DAI)

Matrix: SO Batch ID: GGH4266

- All method blanks for this batch meet method specific criteria.
- Sample(s) JB31283-15RMS, JB31283-15RMSD were used as the QC samples indicated.
- JB28557-1R: Sample analyzed outside the holding time per client's request.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

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Summary of Hits Job Number: JB28557R

Account: Anderson, Mulholland & Associates BMSMC, Building 5 Area, PR Project:

Collected: 02/08/13

Lab Sample ID Client Sample ID Result/ RL Method Analyte Qual **MDL** Units

JB28557-1R AREAEC4_BOT

No hits reported in this sample.

JB28557R



Sample	Results		

Report of Analysis



Page 1 of 1

Date Sampled:

Date Received:

Percent Solids:

02/08/13

02/12/13

84.3

Report of Analysis

Client Sample ID: AREAEC4_BOT
Lab Sample ID: JB28557-1R
Matrix: SO - Soil
Method: SW846-8015C (DAI)

Project: BMSMC, Building 5 Area, PR

File ID DF Analyzed By Prep Date Prep Batch Analytical Batch Run #1 a GH92230.D 1 03/20/13 XPL n/a n/a GGH4266

Run #2

Initial Weight Run #1 5.1 g

Run #2

CAS No. Compound Result RL MDL Units Q

67-63-0 Isopropyl Alcohol ND 120 54 ug/kg 67-56-1 Methanol ND 230 55 ug/kg

CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits

 111-27-3
 Hexanol
 95%
 58-133%

 111-27-3
 Hexanol
 120%
 58-133%

(a) Sample analyzed outside the holding time per client's request.

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound





Misc. Forms
Custody Documents and Other Forms
Includes the following where applicable:

• Chain of Custody



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ACCUTEST:			Chai	14 C	r	US	IU) L)	Y											PA	GE ₋	1	OF	: T,
LABORATORISS				5 Route 13						Î			FED-EX	Tracki	22	34	33.2	28	Bottle O	rder Contr	rol#			
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Client / Reporting Information			Project	Informa										Re	quest	ed Ana	lysis	see T	EST C	ODE si	_	-0-		Matrix Codes
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et Address	Street												-											GW - Ground Water WW - Water
10 Corporate KE Drive				Billing	Information	on (if diff	erent f	from f	Report	t to)			2											SW - Surface Water SO - Soil
Jet Adress IO Conpowele Rt Drive Vhile Plain: NY Jegi Contact Erny Taylor Haylorea Pox # 1	Hume	coco	PR.	Compan								***************************************	1											SL- Sludge SED-Sediment OI - Oil
erry Taylor Hayloreo	Maico	usult.	com	Street A	ddress								212											LIQ - Other Liquid AIR - Air SOL - Other Solid
114-391-1225	Client Purchase	Order#		City				State			Zip		G-							i				WP - Wipe
114-391-1225 mpler(s) Name(s) Phone #	Project Manager			Attention	1:								Š		1					, 1				FB-Field Blank EB-Equipment Blank
													19										-	RB- Rinse Blank
			Collection		1	T	T	Num	ber of	preserve	ed Bott	es	0											TB-Trip Blank
Pield ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottle	모	NaOH	H2SO4	NONE	МЕОН	ENCORE	3.4											LAB USE ONLY
AREAECY_BOT		2/8/13	1130	M	so	4	\perp	T	T			1	X		1	+	T	-				-	*	0/6 /
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Turnaround Time (Business days)						Data	Deliv	erabl	e Info	rmatio	n L				1	1		Com	ments /	Special	Instructi	ons		
Std. 10 Business Days	Approved By (Accu	test PM): / Date:			Commerc				[N	IYASP	Catego	ory A	1	13	T->	$\overline{}$		-	-)			2-12-13
5 Day RUSH	****	-			Commerc)	[Catego	ory B	,,	34	-uC	10		JA.	2/		<i>!!</i> \		2-12-12
3 Day EMERGENCY	***************************************				FULLT1 (4)			-	tate F													
2 Day EMERGENCY				- Company	Commerci				L			ormat			-									
1 Day EMERGENCY				١ ــــــا ,		Commerc	al "A"	≃ Res	L sults O		ther_													
other	William Commence of the Section of t					Commerc	ial "B"	≂ Res	sults +	QC Su	mmar	v			-		-							
Entergency & Rush T/A data available VIA Lablink	<u> </u>	mple Cuete du m		<u> </u>		N.I Reduc	ced = R	Resulti	+ nc	Sumn	oanv ±	Dartial I	Raw data	1										γ
Reinquished by Sampler: Date fime		mple Custody m			now eac	n time sa	ample	s cha quishe	ange	posse	ssior	, inclu	iding co	ourier	delive	ry.					_	7	12	/
2/11/12	1500	1	Fer	12			2	quisne	a By:	b	-1	L				Date Ti	131	0/21	Received	Bý:	9	11	P	
y Sampler: Date Time:		Received Bu-					1			-				-		7/15	112 "	-00	2	-	p	_/		

002/12/13

JB28557R: Chain of Custody Page 1 of 4







Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB2855	7 Client:	AMAI		Project: AREA & ICM			
Date / Time Received: 2/12/20	13 10:00	Delivery Method:	FedEx	Airbill #'s: 7947-2234-3325			
Cooler Temps (Initial/Adjusted):	<u>#1: (4/4); 0</u>						
Cooler Security Y o		Y or N	Sample Integrity	- Documentation	Υ	or N	
Custody Seals Present:	3. COC P		1. Sample labels p	present on bottles:	✓		
2. Custody Seals Intact:	4. Smpl Date	es/Time OK 🗸 🗌	2. Container labeli	• .	✓		
Cooler Temperature	Y or N		3. Sample containe	er label / COC agree:	\checkmark		
1. Temp criteria achieved:	$ \mathbf{V} $		Sample Integrity	y - Condition	Υ	or N	
Cooler temp verification:	Bar Therm		1. Sample recvd w	rithin HT:		\checkmark	
3. Cooler media:	Ice (bag)		2. All containers ac	ccounted for:	✓		
4. No, Coolers			3. Condition of san	mple:	lı	ntact	
Quality Control Preservation	<u>Y N N/</u>	<u>A_</u>	Sample Integrity	y - Instructions	Υ	N	N/A
1. Trip Blank present / cooler:			1. Analysis reques	sted is clear:	✓		
2. Trip Blank listed on COC:			2. Bottles received	d for unspecified tests		\checkmark	
3. Samples preserved properly:			3. Sufficient volun	ne recvd for analysis:	~		
4. VOCs headspace free:			4. Compositing in:	structions clear:			✓
			Filtering instruction	ctions clear:			✓
Comments -1 ENCORES RECEIVED	OUT OF HOLD.						

2235 US Highway 130 F: 732.329.3499 Accutest Laboratories V:732.329.0200 Dayton, New Jersey www/accutest.com

> JB28557R: Chain of Custody Page 2 of 4







Sample Receipt Summary - Problem Resolution

Accutest Job Number: JB28557

CSR: Michelle Response Date: 2/13/2013

Response: Please proceed w/analysis as noted per Terry Taylor

G

 Accutest Laboratories
 2235 US Highway 130
 Dayton, New Jersey

 V:732.329.0200
 F: 732.329.3499
 www/accutest.com

JB28557R: Chain of Custody Page 3 of 4

Requested Date:	3/15/2013	Received Date:	2/12/2013
Account Name:	Anderson, Mulholland &	Due Date:	2/26/2013
Project	BMSMC, Building 5 Area, PR	Deliverable:	FULT1
CSR:	michello	TAT (Days):	4
Sample #: JB28557-All Dept: Dent:	3557-All	Change: Please relog for D8015IPA & DGC+METH. OK to run out of hold time.	======== DGC+METH. OK to

JB28557R: Chain of Custody Page 4 of 4

Date: 3/15/2013

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To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Terry Taylor

Above Changes Per: